



PATIENT PRESENTING CLINICAL SIGNS

Milo Lehti
Vomiting off and on for a couple months, vomits 10-15 minutes after a meal - mostly kibble. Stools and urine normal. Activity okay. Treated on 4/26/22 for GI upset, found sticks/grass in colon, started Cerenia. Continued with Cerenia for 4 days and started on Famotidine. No improvement/resolution of the GI upset.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: 4/26/22 Abdominal radiographs unremarkable other than possible foreign material in the colon Chem ALT 130 otherwise WNL Rectal exam showed large amounts of sticks and grass in feces. 5/4/22 BUN 28 ALT 181 AST 75 Bile Acids pending

BREED

Yorkie Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Intact male

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. There was no evidence of calculi. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

AGE

7 months

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. Slight pinpoint mineralization was noted in the right kidney. The right kidney measured 3.57 cm. The left kidney measured 3.72 cm.

WEIGHT

5.8 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 1.36 x 0.38 cm at the caudal pole and 0.35 cm at the cranial pole. The right adrenal gland measured 1.03 x 0.5 cm at the cranial pole and 0.43 cm at the caudal pole.

IMAGING PERFORMED BY

Dr. Krell

Spleen

HOSPITAL NAME

Paws & Prairie AH

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Hensel

Liver

INVOICE

30158

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The portal vein measured 0.5 cm, vena cava measured 0.5 cm. The portal vein to vena cava ratio and portal vein to aortic ratio was normal at 1:1. Branching of the portal vein was visible. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was

DATE

5/4/22



PATIENT evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Milo Lehti

SPECIES *Gastrointestinal*

Canine Minor retention of ingesta was noted in the **stomach**. The intestines were free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

BREED

Yorkie Mix

Pancreas

SEX

Intact male

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

AGE

7 months

ULTRASONOGRAPHIC FINDINGS

Structurally unremarkable.

WEIGHT

5.8 lbs

There is no evidence of portosystemic shunting. Normal portal branching.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Supportive care should prove effective. If the bile acids are elevated this may be owing to portal hypoplasia. However, liver size is fairly normal to possibly subnormal. Underlying parasitic disease, dietary intolerance and Helicobacter are all potentials. Endoscopy could be considered to obtain mucosal biopsies. However, structurally the GI tract is unremarkable.

IMAGING PERFORMED BY

Dr. Krell

HOSPITAL NAME

Paws & Prairie AH

REFERRING VET

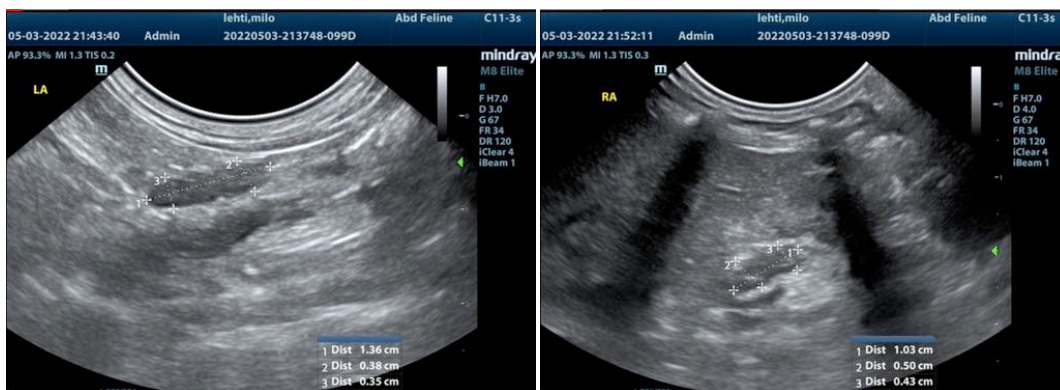
Dr. Hensel

INVOICE

30158

DATE

5/4/22





PATIENT

Milo Lehti

SPECIES

Canine

BREED

Yorkie Mix

SEX

Intact male

AGE

7 months

WEIGHT

5.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Krell

HOSPITAL NAME

Paws & Prairie AH

REFERRING VET

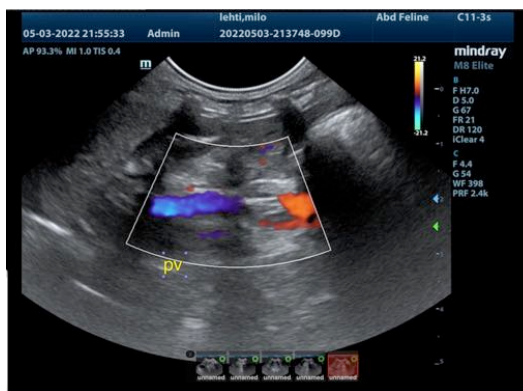
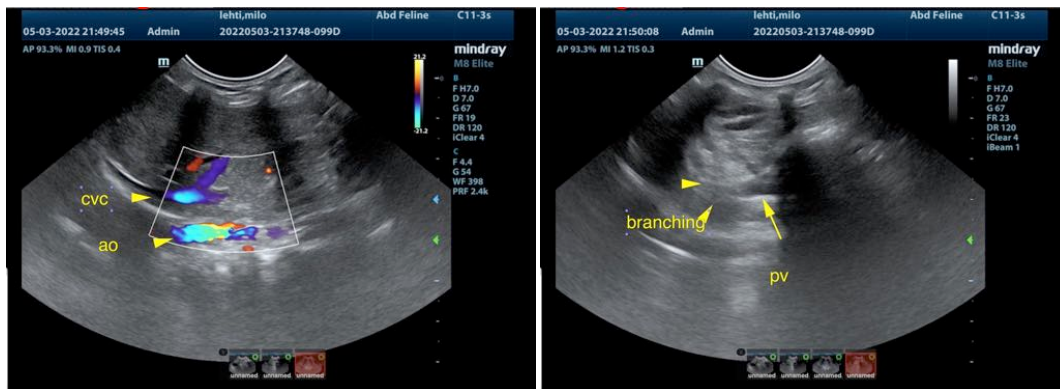
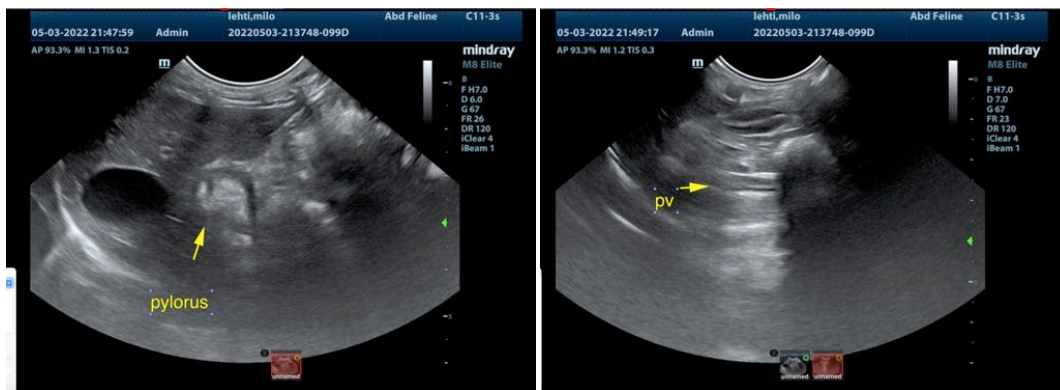
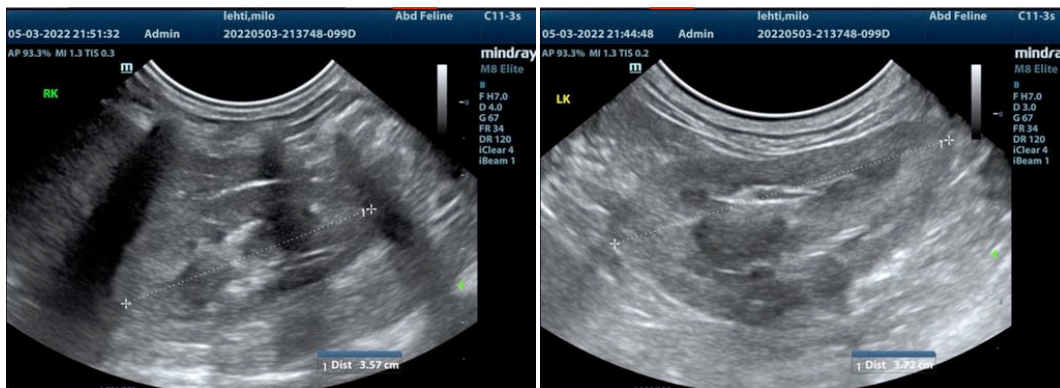
Dr. Hensel

INVOICE

30158

DATE

5/4/22





PATIENT

Milo Lehti

SPECIES

Canine

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

BREED

Yorkie Mix

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

SEX

Intact male

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

AGE

7 months

WEIGHT

5.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Krell

HOSPITAL NAME

Paws & Prairie AH

REFERRING VET

Dr. Hensel

INVOICE

30158

DATE

5/4/22